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TROX[®] TECHNIK

The art of handling air

TROX X-CUBE Clean air for the Graz Dental Hospital, Austria

The Austrian region of Styria is currently investing heavily into the revamp of their hospitals. The largest project of the Styrian LKH 2020 initiative, in which €500m are to be spent on the modernisation of regional hospitals, is the new surgery department of Graz LKH University Hospital. The new Dental Hospital was opened in January 2016. Apart from the functionality, the focus was in particular on sustainability and energy efficiency.

With good and clean air being a major requirement, the hospital selected TROX X-CUBE air handling units. The X-CUBE units in the Dental Hospital provide a total of 48.000 m³/h fresh air. All systems meet the ÖNORM H 6020-1 standard (Ventilation and air conditioning plants in hospitals) for room class H4. A rotary heat exchanger is used for the recovery of heat and humidity. An electric steam humidifier ensures an ideal indoor climate even if the air is very dry. A heat pump and PWW heating coils in the TROX X-CUBE heat the air. Another X-CUBE unit provides two-stage filtering and hence the best possible climate for labs. Here, a plate heat exchanger is used for energy recovery in summer and in winter.

All X-CUBE units are modular constructions and configurable. They come in widths of 612 mm to 4896 mm (1 to 8 filter elements) and in heights of 306 mm to 2448 mm. X-CUBE units are available for supply air or extract air, or as supply air and extract air combinations to be installed side by side or on top of each other. This versatility as well as the high quality were reason enough for the decision makers to select TROX X-CUBE units for the new LKH University Dental Hospital in Graz.



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University Dental Hospital, Graz, Austria

Press Release

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TROX X-CUBE air handling units ensure good and clean air in the Dental Hospital

TROX is leading in the development, manufacture and sale of components, units and systems for the ventilation and air conditioning of rooms. With 29 subsidiary companies in 28 countries on 5 continents, 14 production facilities, and importers and representatives, TROX is present in over 70 countries. Founded in 1951, world market leader TROX, whose international head office is in Germany, generated in 2014 with a total of 3,700 employees around the globe revenues of €455 million.

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Press Release